

ABSTRACT

The present invention provides a safe, convenient and efficient method for producing carboxylic acid by a reaction of alicyclic alcohol with an aqueous hydrogen peroxide to thereby obtain carboxylic acid in high yield from alicyclic alcohol or alicyclic ketone under mild reaction conditions, wherein the reaction operation is simple and easy, a step for removing solvent after completion of the reaction is not necessary and influence and toxicity upon the environment and human body are markedly small. In order to provide it, an oily alicyclic alcohol is allowed to react with an aqueous hydrogen peroxide in the presence of a catalyst containing a metal compound belonging to Group 6 of the Periodic Table in a heterogeneous solution system.